

PROJECT TITLE : CIGARETTE DEVELOPMENT 1
PERIOD COVERED : MAY 21 - JUNE 26 1981
WRITTEN BY : Singer-Z. (ZDS)

365 BARBARA

Objective

K : 15 mg/cig.
N : 1 mg/cig.
Format : 7.95 / 20 / 84 mm

Description of samples and results

A series of cigarette prototypes, with three different blends and non-tobacco materials used on prototype 7 C 1, was produced at FTR and in PMG Munich.

An additional trial (prototypes Nos 30 P and 31 P) was carried out in FTR with 4.0 I / 45'000 filter tow and 23/60 tipping paper.

Of all the prototypes produced, the expert Panel A selected prototypes Nos 30 P and 41 P. Both versions have been presented to the German Marketing Department. Version 41 P will be product tested against CAMEL FILTER and MARLBORO DB. A sample of the test cigarettes (41 T) has been completely evaluated and the results correspond to those of the previous prototype 41 P. The test was ready on May 25th 1981 and its first part dispatched on June 23rd 1981.

(See main characteristics of prototypes 30 P and 41 T in the table next page).

PROJECT NAME : B A R B A R A

PROJECT NO : 365

PROJECT LEADER : ZDS

DATE : June 19th 1981

<u>PROTOTYPE NO</u>		30 P	41 T
<u>BLEND NO</u>		DB0136502R02	DB0136505N25 (containing 11 % of ET)
TA	%	1.65	1.71
NITRATE-NITROGEN	%	0.20	0.20
REDUCING SUGARS	%	10.8	9.8
FORMAT : DIAMETER	mm	8.01	7.93
FILTER LENGTH	mm	20	21
CIGARETTE LENGTH	mm	84	84
TOTAL WEIGHT	mg/cig.	1072	1020
TOBACCO WEIGHT AT 12 % O.V.	mg/cig.	832	784
CIGARETTE RTD	mm WG	92	114
DILUTION	%	19	12
CIGARETTE PAPER		Wattens 60	Wattens 60
TIPPING PAPER		23 / 60	23 / 30
FILTER : TYPE		Single	Single
TOW		4.0 I / 45'000	3.4 I / 46'000
ADDITIVE			
PAPER		FU-POV 40	FU-POV 40
RTD	mm WG	63	68
TAR (K)	mg/cig.	14.7 (12.9)	14.7 (12.9)
SN (N)	mg/cig.	1.07 (0.92)	1.03 (0.89)
CO	mg/cig.	15.2	18.1
NO	mg/cig.	0.19	0.21
PUFF COUNT		9.4	9.1

THE CIGARETTES ARE SMOKED ON A PM 20 PORTS.

0000144291

Objective

To develop a full-flavour cigarette having taste characteristics close to those of the L & M brands.

K : 10 mg/cig.

N : 0.8 mg/cig.

Format : 7.95 / 25 / 84.4 mm

Summary

Prototypes 52 and 63 are currently being product tested against each other by the smokers of the normal filter cigarettes and by those of the full-flavour cigarettes.

The selected prototype will be tested against MARLBORO DB and CAMEL FILTER.

Description of samples and results

Cigarette samples of candidates Nos 52 T and 63 T, produced in PMG Munich, were analysed and taste evaluated. The analytical figures are within the target values. Tastewise, there is no significant difference between the product test cigarettes and the previous prototypes. The test was dispatched on June 10th 1981.

(See main characteristics of prototypes 52 T and 63 T in the table next page).

PROJECT NAME : L O L I T A

PROJECT NO : 335

PROJECT LEADER : ZDS

DATE : June 30th 1981

PROTOTYPE NO

52 T

63 T

BLEND NO

049 - 335 ML 021

049 - 335 ML 021

TA	%	1.67	1.68
NITRATE-NITROGEN	%	0.23	0.21
REDUCING SUGARS	%	8.6	8.9
FORMAT : DIAMETER	mm	7.94	7.94
FILTER LENGTH	mm	25	25
CIGARETTE LENGTH	mm	84	84
TOTAL WEIGHT	mg/cig.	1083	1084
TOBACCO WEIGHT AT 12 % O.V.	mg/cig.	726	728
CIGARETTE RTD	mm WG	98	95
DILUTION	%	27	26

CIGARETTE PAPER

Ecusta 753

Ecusta 753

TIPPING PAPER

Cork Z4 / 80

Cork Z4 / 80

FILTER : TYPE

PSP

TOW

2.5 Y / 48'000 / 5.0 Y / 45'000

ADDITIVE

CHARCOAL PILOT 1184

PAPER

Ecusta 634

RTD

mm WG

300

TAR (K)	mg/cig.	9.8 (11.0)	9.8 (11.1)
SN (N)	mg/cig.	0.71 (0.81)	0.75 (0.86)
CO	mg/cig.	11.9	12.0
NO	mg/cig.	0.23	0.23
PUFF COUNT		7.9	8.3

THE CIGARETTES ARE SMOKED ON A PM 20 PORTS.

0000144293

Objective

K : max. 14 - 15 mg/cig.
N : 0.8 - 1 mg/cig.
Format : 7.95 / 20 / 84 mm

Summary

The development is based on the new blend No DB0141601N25 which is available in five processing versions (different treatments).

Using the smoke yield prediction program, the theoretical tobacco weight and the analytical figures of the reference cigarette were calculated. Two constructions were suggested.

Description of samples and results

For each processing blend version, trials were carried out using both constructions. Of all the prototypes produced (10), the expert Panel A selected version No 9 P as being the one closest to the PRINCE DENMARK.

Prototype No 8 P is considered as being a good quality cigarette.

Prototype No 9 has been presented to the German Marketing Department.

(See main characteristics of prototypes 8 P and 9 P in the table next page).


Nyffeler-U.

ZDS/cap/JUNE 30 1981

PROJECT NAME : P R I N C E

PROJECT NO : 416

PROJECT LEADER : ZDS

DATE : June 30th 1981

PROTOTYPE NO

8 P

9 P

BLEND NO

DB0141601N25

DB0141601N25

TA

%

2.27

2.27

NITRATE-NITROGEN

%

0.16

0.16

REDUCING SUGARS

%

7.9

8.2

FORMAT : DIAMETER

mm

7.99

7.99

FILTER LENGTH

mm

20

20

CIGARETTE LENGTH

mm

84

84

TOTAL WEIGHT

mg/cig.

1061

1054

TOBACCO WEIGHT AT 12 % O.V.

mg/cig.

832

830

CIGARETTE RTD

mm WG

99

96

DILUTION

%

33

17

CIGARETTE PAPER

Wattens 60

Wattens 60

TIPPING PAPER

4 x M. 0.11 . 6.5

Z3 / 60

FILTER : TYPE

Single

Single

TOW

2.5 Y / 48'000

3.4 I / 46'000

ADDITIVE

PAPER

FU-POV 100

FU-POV 40

RTD

mm WG

515

410

TAR (K)

mg/cig.

9.2 (10.3)

12.8 (14.6)

SN (N)

mg/cig.

0.94 (1.10)

1.2 (1.42)

CO

mg/cig.

10.6

18.7

NO

mg/cig.

0.14

0.17

PUFF COUNT

9.7

9.2

THE CIGARETTES ARE SMOKED ON A PM 20 PORTS.

0000144295